

✓

L2 ANSWER 203 OF 259 CA COPYRIGHT 2005 ACS on STN
 AN 101:136487 CA
 ED Entered STN: 13 Oct 1984
 TI Aerobic stabilization of organic sludges
 IN Apro, Istvan; Benedek, Pal; Czepek, Gyula; Farkas, Peter; Mucsy, Gyorgy;
 Olah, Jozsef; Torocsik, Ferenc
 PA Vizgazdalkodasi Tudomanyos Kutato Kozpont, Hung.; Keletmagyarorszag
 Vizugyi Tervezo Vallalat
 SO Hung. Teljes, 7 pp.
 CODEN: HUXXB
 DT Patent
 LA Hungarian
 IC C02F003-12; C02F011-00
 CC 60-5 (Waste Treatment and Disposal)
 FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|-------------|------|----------|-----------------|----------|
| PI | HU 31027 | O | 19840428 | HU 1982-606 | 19820301 |
| | HU 188572 | B | 19860428 | | |
| PRAI | HU 1982-606 | | 19820301 | | |

CLASS

| PATENT NO. | CLASS | PATENT FAMILY CLASSIFICATION CODES |
|------------|-------|------------------------------------|
|------------|-------|------------------------------------|

| | | |
|----------|----|-------------------------|
| HU 31027 | IC | C02F003-12IC C02F011-00 |
|----------|----|-------------------------|

AB Sludge is aerated in an aeration basin for 8-12 days using a conventional aeration unit. The sludge is dewatered after mixing with perlite or fly ash. Metal salts with valencies 2 and 3 (e.g., Fe²⁺, Ca²⁺, Al³⁺) are added and the pH is adjusted to 8.3-8.5 with lime. Washing water of equal or larger volume of the sludge is added and the treated sludge is thickened. Part of the thickened sludge is recirculated to the aeration basin and the remainder of the sludge is dewatered. The decanted sludge water is introduced into an activated-sludge basin.

ST aerobic stabilization org sludge

IT Perlite

RL: PROC (Process)

(additive, in wastewater organic sludge dewaterin

teach dewatering sludge
with fly ash